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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	'ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/005,347	10/005,347 12/07/2001		Miwa Kozawa	100021-00065	8095
4372	7590	04/16/2003			
ARENT FOX KINTNER PLOTKIN & KAHN 1050 CONNECTICUT AVENUE, N.W. SUITE 400				EXAMINER	
				PENG, KUO LIANG	
WASHINGTON, DC 20036			ART UNIT	PAPER NUMBER	
				1712	3
			DATE MAILED: 04/16/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

U.S. Patent and Trademark Office PTO-326 (Rev. 04-01)

1) Notice of References Cited (PTO-892)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)

6) U Other:

4) Interview Summary (PTO-413) Paper No(s).

Notice of Informal Patent Application (PTO-152)

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DETAILED ACTION

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1. Applicants' preliminary amendment filed on April 20, 2000 was received. Claims 9-10, 12-17 are amended.

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-8, drawn to a silicon-containing polymer, classified in class 528,
 subclass 10.
 - II. Claim 9, drawn to a process for producing a silicon-containing polymer, classified in class 524, subclass 588.
 - III Claims 10-11, drawn to a resist composition, classified in class 216, subclass 49.
 - IV. Claims 12-17, drawn to a resist pattern-forming method, classified in class 438, subclass 689.
- 2. Inventions of Group I and Group II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the silicon-containing polymer can be made in the absence of a carboxyl group-containing compound or using tetrachlorosilane or tetramethoxysilane instead of tetraethoxysilane.

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3. Inventions of Group I and Group III are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the resist material can be a phenol-formaldehyde resin that does not contain any silicone material. The subcombination has separate utility such as a sealant.

- 4. Inventions of Group I and Group IV are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case, the process of Group IV can be practiced with a phenol-formaldehyde resin as a resist material.
- 5. Inventions of Group II and Group III are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the resist composition can be made in the absence of a carboxyl group-containing compound or using tetrachlorosilane or tetramethoxysilane instead of tetraethoxysilane.

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6. Inventions of Group II and Group IV are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case, the different inventions of Group II and Group IV have different modes of operation because the invention of Group II is directed to a process of making a silicon-containing polymer, while the invention of Group III is directed to a process of forming a resist pattern.

- 7. Inventions of Group III and Group IV are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case, the process of Group IV can be practiced with a phenol-formaldehyde resin.
- 8. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.
- 9. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

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- 10. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kuo-Liang Peng whose telephone number is (703) 306-5550. The examiner can normally be reached on Monday-Friday from 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Dawson, can be reached on (703) 308-2340. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9310.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

Kuo-Liang Peng

April 8, 2003

LahyParg